

Abstract

Provided is a heat-shrinkable polyester film satisfying:

(A) a heat shrinkage percentage of 10% to 50% in a maximum shrinkage direction in a hot water at 70°C,

(B) a heat shrinkage percentage of not less than 75% in a maximum shrinkage direction, and not more than 10% in an orthogonal to the maximum shrinkage direction in a hot water at 85°C,

(C) a heat shrinkage percentage difference $\Delta X(\%) = X_0 - X_{10}$ of a sample is 10% to 20%,

wherein, X_0 and X_{10} are defined as follows,

$X_0(\%)$: a heat shrinkage percentage in a maximum shrinkage direction in a hot water at 95°C; and

$X_{10}(\%)$: a heat shrinkage percentage in a maximum shrinkage direction of a film having experienced heat shrink by 10% in a maximum shrinkage direction;

(D) a three-dimensional surface roughness Δa gives 0.008 to 0.04; and

(E) a three-dimensional surface roughness SR_z gives 0.6 to 1.5 micrometers.

Even in use for full label usage, the heat-shrinkable polyester film has excellent quality after shrink-finishing, reinforcement function of containers after wrapped by shrinking, and blocking resistance, and furthermore exhibits excellent film-formation property, and processability as well. In addition, the present invention provides a heat-shrinkable polyester film having ultraviolet absorptivity, and a heat-shrinkable polyester film roll exhibiting uniform heat shrinkage properties over whole of a long film.